

NUCLEAR DIVISION NEWS

A Newspaper for the Employees of the Nuclear Division, Union Carbide Corporation

Volume 14/Number 17 August 25, 1983

UNION
CARBIDE

Question Box

Will Union Carbide pay off Savings Plan?

QUESTION: When the new contractor takes over in April 1984, will Union Carbide pay off its Savings Plan so that Nuclear Division employees may start off "fresh" with the new contractor's plan if one is offered?

ANSWER: Such information will probably not be available until after the Department of Energy has selected a successor contractor and has negotiated with that contractor the conditions in connection with operation of the DOE facilities. We do know this much at the present time — if the contractor replacing Union Carbide has a thrift plan of its own, it may be possible for an employee to transfer his or her monies in the Carbide Savings Plan to the contractor's savings or thrift plan. Whether or not this can be done, monies in the Savings Plan other than those contributed by the employee can, under present regulations, be transferred to an individual Retirement Account to defer taxes on that amount.

You will be given more information on this when it is available.

If you have questions on company policy, write the Editor, Nuclear Division News (or telephone your question in, either to the editor, or to your plant contact). Space limitations may require some editing, but pertinent subject matter will not be omitted. Your name will not be used, and you will be given a personal answer if you so desire.

Equity Investment Fund under new management

Effective September 1, 1983, the Equity Investment Fund of the Union Carbide Savings Plan will be managed by BEA Associates, Inc. BEA Associates, a professional investment management company, was selected after extensive research and investigation. The Metropolitan Life Insurance Company is the current fund manager.

The Equity Investment Fund will continue to be invested primarily in common stock and other equity-type investments, and the value of the Fund will vary with the investment experience of the account.

For additional information, employees may contact the Benefit Plans office at their locations.

Paducah employees set another safety record

Paducah Plant employees recently completed three years without a lost workday case resulting from injury on the job.

This record, achieved July 30, translates into more than 8,677,000 employee hours.



ORNL 4369-83

In this issue . . .

Reggie Lindsey, the Nuclear Division's first totally blind employee, passes through ORNL's Central Research Library en route to his office in Building 4500 North. His story begins on page 5.

Other features in this issue:

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Deer-vehicle collisions increase	page 8

Department of Energy institutes changes in technology transfer

The Department of Energy has instituted changes in technology transfer programs at Nuclear Division facilities that are expected to facilitate the flow of energy-related science and technology to the private sector.

While the changes apply equally to the activities at all Division facilities, the greatest impact is expected to be realized at ORNL. The changes will permit greater flexibility in consultations between Division scientific and technical staffs and organizations in the private sector and will provide increased incentives to Union Carbide in carrying inventions developed at DOE facilities to industrial and other potential outside users.

Two principal changes have been made in policies associated with consulting activities. When scientists consult with a private company in their particular area of speciality, they now will be paid by the company for the value of that service, separate from their work at the DOE facility.

In the area of inventions developed at the Carbide-operated facilities, one major change has been made. Union Carbide now will be permitted to select certain inventions that have great potential and, by using corporate funds, market those inventions in the private sector. Any funds received by Carbide through royalties or sales of patents, after first offsetting the cost of marketing, would be used to sponsor additional research and development.

"Credit should be given to Herman Postma, director of ORNL, and other Carbide officials for taking the initiative in bringing innovative proposals to DOE on technology transfer and working with us to make these changes possible," said Joe La Grone, manager of DOE's Oak Ridge Operations.

DOE expects that these policy changes, along with other possible modifications, would be adopted by any successor organization to Union Carbide in operating the four DOE-owned facilities.

Christenberry named department manager

William S. Christenberry has been appointed manager of the Planning Department, Separation Systems Division, at ORGDP. In



Christenberry

his new position, Christenberry is responsible for the Division's strategic and long-range planning, budget and program planning and control, and data systems management activities.

Christenberry was born in Roane County and grew up in Knoxville.

He received his BS degree in mechanical engineering from Yale University; his MS degree in automotive engineering from the Chrysler Institute of Engineering; an MBA from Harvard Business School; and a doctorate in business administration from the University of Tennessee. He joined the Nuclear Division in 1982.

Christenberry worked as a summer student at ORNL between his junior and senior years in college. He also served a summer term of active duty and seven years of inactive reserve duty in the U.S. Air Force.

Christenberry has been the recipient of several scholastic honors, including a four-year scholarship to Yale and Burlington Industries' Fellowship while at the University of Tennessee. He is registered as a professional engineer in Georgia.

He and his wife, Bobbie Jean, have two daughters. They live in the West Hills area of Knoxville.

PRIDE CIRCLE WINNERS — The Y-12 Fabrication Division's "Projects Unlimited" circle recently was named winners of the Pride Circle Logo Contest. Members of the circle, seated from left, include Jim Weaver, Paul Turbyfill, Tony Wilson, Alfred Nichols, Bill Catlett, Jeff Hueser, Jim Strickland, Doug Underwood, Harry Spires, Mike Jenkins, Mark Seaton and John Seivers. Standing, from left, are Ray Smith, pride circle administrator; Tony Dean, division manager; Arnold Barnes, circle leader; Gordon Fee, Y-12 plant manager; Bob Martin, facilitator; and Tommy Webber, department superintendent.

'Projects Unlimited' wins logo contest

The Fabrication Division's "Projects Unlimited" circle has received first place in the Y-12 Pride Circle Logo Contest. Their winning entry was chosen for its originality, impact and clarity of design; the message it conveys; its expression of the circle's identity; and the way it reflects concern for quality, productivity and pride in work.

The second-place winner was the "Cost Estimating Pride Circle," Engineering Division, and "Red's Raiders" of the Product Cer-

tification Division placed third. Honorable mention recognition went to the following groups: "Ring of Fire," Security, Plant Protection and Utilities; "Quality Enforcers," Quality Division; and "M-Wing Spark Plugs," Fabrication.

The Y-12 Pride Circle Program, in its third year of operation, includes some 75 circles whose members contribute to the plant's quality- and productivity-improvement efforts through problem-solving activities.

Conserve energy by sharing the ride

Y-12

CAR POOL MEMBERS NEEDED from Beaver Ridge United Methodist Church parking lot, Oak Ridge Highway, to North Portal, 8-4:30. Bob Cooper, plant phone 4-3430; home phone 691-8411.

VAN POOL RIDERS NEEDED from Lake City and Clinton, 8-4:30. Joe Foust, plant phone 4-5889; home phone 426-2947.

BUS POOL RIDERS NEEDED from Knoxville, I-40 at Alcoa Highway (Expo Inn), 8-4:30. Joel Horton, plant phone 4-3121; home phone (Maryville) 983-9160.

CAR POOL MEMBERS NEEDED from Cedar Bluff/Middlebrook Pike area to Bear Creek Portal, 8-4:30. Gerald Russell, plant phone 4-3658; home phone 691-3475.

RIDE NEEDED from Cumberland Estates area off Oak Ridge Highway to East Portal, 8-4:30. Bert Sharp, plant phone 4-0465; home phone 584-7223.

VAN POOL RIDERS NEEDED from Andersonville, Norris and Clinton, 8-4:30. Charles Knowles, plant phone 4-2628; or Bob Worthington, home phone 457-3780.

CAR POOL MEMBER NEEDED from Country Club Apartments, Middlebrook Pike, to East or North Portal, 8-4:30. Cindy Ross Lundy, plant phone 4-1643; or Julie Robinson, 4-1651.

CAR POOL MEMBER NEEDED from Blaine area to any portal, day shift. Linda, plant phone 6-4940; home phone 933-4862.

ORNL

VAN POOL RIDERS NEEDED (room for two) from West

Knoxville (Cedar Springs Shopping Center, Cedar Bluff, Middlebrook Pike, Vanosdale Road, Cloth World, Kingston Pike) to any portal except South, 8-4:30. Leon, plant phone 4-5723; home phone 693-3211.

BUS POOL MEMBERS NEEDED from the Burlington area, Asheville Highway, heading in the direction of I-640, stopping at Broadway and Tazewell Pike. The next stop is Papermill and Weisgarber, then to Cloth World on Kingston Pike. The next stop, via Kingston Pike, is Lovell Heights Shopping Center, then on via Pellissippi Parkway to all portals, 8-4:30. P. R. Long, plant phone 4-4154; or Twana Taylor, 4-7281.

RIDE NEEDED from Oak Ridge Highway between Karns and Solway to East Portal, 8:15-4:45. Peterson, plant phone 4-4483; home phone 690-3989.

VAN POOL RIDERS NEEDED from East Knoxville — down Middlebrook Pike, Cedar Bluff and back down Middlebrook Pike to Pellissippi Parkway to East and West Portals, 8-4:30. A. J. Boatwright, plant phone 4-6041; home phone 970-4231.

BUS POOL RIDERS NEEDED from Maryville via Highway 95, with stops in Lenoir City. Joel Horton, plant phone 4-3121; home phone (Maryville) 983-9160.

CAR POOL MEMBERS NEEDED from Louisiana Avenue area, Oak Ridge, to any portal, 8-4:30. Frank Foust, plant phone 4-6056; home phone 483-0350.

CAR POOL MEMBER NEEDED from Cloth World (Kingston Pike) to East, West or North Portal, 8-4:30. Paula, plant phone 4-4168; home phone 588-7765.

CAR POOL MEMBER NEEDED from Farragut (Village Green/Fox Den area) to East Portal, 8-4:30. Cathy, plant phone 4-7431.

ORGDP

CAR POOL MEMBERS WANTED from Farragut to Portals 3, 2 and 8, day shift. Don Muldrew, plant phone 6-0353; or Lonnie Holleman, 4-9048.

RIDE NEEDED from Hillside Drive, off Pennsylvania in Oak Ridge, to Portal 7, day shift. Velma Moore, plant phone 4-8807; home phone 483-9732.

CAR POOL MEMBERS WANTED from east end of Oak Ridge to any portal, day shift. Doug Janney, plant phone 4-9448; home phone 483-1619.

CAR POOL MEMBERS WANTED from Cedar Bluff Shopping Center to Portal 2, day shift. Fredrick Markham, plant phone 6-2504, home phone 691-3067; or Roy Munsey, plant phone 4-7903, home phone 693-0130.

TWO RIDERS NEEDED from Cedar Springs Shopping Center or immediate vicinity to Portals 2 or 3, day shift. Plant phone 6-2810.

RIDE NEEDED from Rockwood area to Portal 2, day shift. Mike Garrett, plant phone 4-7903; home phone 354-2348.

CAR POOL MEMBER NEEDED from West Town Mall to Portals 1, 2 or 4, day shift. George, plant phone 6-0506; home phone 690-6856.

CAR POOL MEMBERS WANTED from Karns Community to Portals 3 or 5, day shift. Tom Lemons, plant phone 4-8159; or Loren Lund, 6-2311.

WANT TO JOIN OR FORM CAR POOL from Coalfield area to Portal 3, 7:45-4:15. Steve Nolan, plant phone 4-8014; home phone 435-1916.

WANT TO JOIN OR FORM CAR POOL from Madisonville area to Portal 3, 4 p.m. to midnight. Mary Copeland, plant phone 4-8652; home phone 442-5550.

CPS review courses planned in Oak Ridge

A schedule of Certified Professional Secretary (CPS) review courses for 1983-84 has been announced by the Oak Ridge Chapter of Professional Secretaries International.

A study-skills seminar will be conducted September 17 by Jim Eison, associate professor of psychology at Roane State Community College (RSCC) and a research associate at the University of Tennessee. The seminar will be held in the Oak Ridge Associated Universities Conference Room, and there is a \$10 registration fee. Contact Pat Farrell (483-5631) for more information.

The review courses, which will be conducted at Oak Ridge High School, include:

Business Law, beginning September 6, taught by David Flitcroft of the law firm of Joyce, Anderson and Meredith.

Office Administration and Communications Application, beginning October 6, taught by Eddie Liskovec, assistant professor of business and office administration at RSCC.

Behavioral Science in Business, beginning November 1, taught by Kathy Coleman, manager of Human Resource Development at Y-12.

Economics and Management, beginning in January, taught by Bob Thomas, associate dean of career education, business and economics department head and associate professor of business at RSCC.

Accounting, beginning in mid-February, taught by Carl Butcher of C. L. Butcher Insurance Agency.

Office Technology, beginning in March, taught by Gay Bryant, associate professor of business at RSCC.

With the exception of accounting, which runs for 10 weeks, all courses will last 6 weeks. The tuition of \$30 per course (and \$35 for accounting) qualifies for reimbursement under the Nuclear Division Educational Assistance Program. For additional information, contact Rachel Smith at 6-0407.

K/PH 81-4914



James E. Rushton

ORNL 4393-83



Adolphus L. Lotts

Appointments of Rushton, Lotts announced in Uranium Enrichment

Two appointments in the Uranium Enrichment organization, effective September 1, have been announced by Nuclear Division Vice President Clyde C. Hopkins. James E. Rushton has been appointed manager for Program and Process Planning in the Operations Analysis and Planning (OA&P) Division at ORGDP. Adolphus L. (Pete) Lotts succeeds Rushton as director of the Atomic Vapor Laser Isotope Separation Division.

Rushton has served as director of the Advanced Isotope Separation Division since 1981. In his new position, his responsibilities will include the strategic planning, enrichment planning and enrichment process analysis functions of the OA&P Division.

Indianapolis native

Rushton is a native of Indianapolis, Ind. He received his bachelor's degree in physics/mathematics from Wabash College and his MS and PhD degrees in nuclear engineering from the University of Wisconsin.

He joined the Nuclear Division at ORNL in 1974, working initially on the High Tempera-

ture Gas Reactor Recycle program and later in the Consolidated Fuel Reprocessing program. In 1979, Rushton transferred to ORGDP as manager of the Enrichment Safeguards program. He was named head of the systems engineering and analysis department in the Operating Contractors Project Office in 1980.

Rushton is a member of Sigma Xi and the American Nuclear Society. He and his wife, Rebecca, have a daughter and son. They live on Montclair Road in Oak Ridge.

Lotts has been director of Nuclear Regulatory Commission programs at ORNL since April 1981. His new assignment will include managing the Nuclear Division's efforts, conducted jointly with Lawrence Livermore National Laboratory, to develop and demonstrate the AVLIS process. The process, which uses lasers to separate the fissionable U-235 isotope from U-238, has potential for significantly reducing the cost of enriched uranium to the nuclear power industry.

Variety of experience

A native of Buchanan, Va., Lotts received his BS and MS degrees in metallurgical engineering from Virginia Polytechnic Institute and State University. He joined the staff of the ORNL Metals and Ceramics Division in 1959. He has had a variety of experience in developing fuel cycles for current and advanced nuclear power reactor systems; in directing nuclear waste management programs; and in managing programs for the refabrication of light water reactor and fast breeder reactor fuels.

Lotts was recipient of the E.O. Lawrence Memorial Award for outstanding contributions to atomic energy development in 1976. He is a fellow of the American Nuclear Society and has served as chairman of its Oak Ridge Section. He is a member of the American Society for Metals and serves on the Board of the Tennessee Technology Corridor Development Authority.

Lotts and his wife, Grace, have four daughters. They live on Chateaugay Road in Knoxville.

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Published every other week for employees such as:

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Joyce Striggles, Engineering at ORGDP.

Nuclear Division News

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ORGDP
Ruby A. Miller, 574-8092

PADUCAH
Laura Trevor, Bell 208



Scarborough appointed manager at ORGDP

Gary L. Scarborough has been appointed manager of the Office Service Department in ORGDP's Finance, Materials and Services Division.

He succeeds Arnold A. Toney, who is retiring after 37 years of service to the company.

The Office Services Department includes graphic arts, central printing, photography, the engineering data control center and the combined mail and plant records sections.



Scarborough

Scarborough, a native of Loudon, received his BS degree in accounting from Tennessee Wesleyan College. He joined the Nuclear Division in 1974 as a procedures writer in the Systems and Procedures Department, General Accounting Division. He later worked as a finance officer and budget analyst in Budget and Accounting Services and most recently was supervisor of Mail and Facility Records in the Finance, Materials and Services Division.

Scarborough is a member and has served as Educational Projects Director of the National Association of Accountants. He is also a member of Alpha Chi National Honor Society.

Scarborough, his wife, Mary, and their two sons live in Loudon.

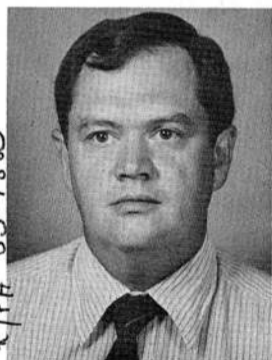
4-12 215156



1983 Y-12 UNITED WAY COMMITTEE — Hugh C. Beeson, Y-12 United Way chairman, has announced his campaign staff for 1983. Pictured at their second meeting are, seated from left, Allen K. Crisp, assistant to the treasurer; Karen L. Guthrie, reports; Frances K. French, solicitor training director; Jim C. Davis, associate chairman for the Atomic Trades and Labor Council; Chester Spradlin, associate chairman for the Atomic Trades and Labor Council; Francis M. Walton, associate chairman for the International Guards Union of America; and Larry E. Lawson, coordinator for the Fire Department. Standing, from left, are David R. Sampson, publicity; George S. Price, treasurer; Beeson; Robert G. Martin, materials manager; and Oscar L. Williams, associate chairman for the Atomic Trades and Labor Council. Not pictured is L. A. (Tony) Dean, cochairman.

Larry Long appointed to environmental post

Larry W. Long has been appointed environmental coordinator in the Health, Safety and Environmental Affairs Division at ORGDP. He succeeds Michael E. Mitchell, who has accepted a position in Engineering at Y-12.



Long

ORGDP in 1977.

His initial assignment was in the Technical Services Division. In 1978 he transferred to Environmental Management, where he worked for almost five years. Most recently, he has been an engineer in the Chemical Operations Department, ORGDP Operations Division.

Long and his wife, Vivian, have two children. They live in Rockwood.

Patent granted

Richard M. Coleman, Gus T. Cook, Charles E. Harless, Stephen K. Holshouser and Walter N. Whinnery, all of Paducah, "Method of Removing Polychlorinated Biphenyl from Oil."

Company Service Anniversaries

4-12 215289



Thomas J. Boring
Maintenance
Y-12
40 years

4-12 215278



Margaret H. Eager
Product Certification
Y-12
40 years

4-12 215279



Kenneth F. Brown
Finance, Materials
and Services
Y-12
40 years

ORNL 3949-83



Charles L. Viar
Physics
ORNL
40 years

ORGDP

35 YEARS

William H. Byrd, Finance, Materials and Services.

30 YEARS

John W. Steele Jr., Operations; Willie F. Tiller, Maintenance.

20 YEARS

Joseph L. Arrowood and Doris A. McKamey.

PADUCAH

30 YEARS

Herman E. Anderson and James R. Champion, Process Maintenance; and Glenn C. Vancil, Maintenance Engineering.

ORNL

35 YEARS

Arlene H. Kibbey, Chemical Technology; Calvin E. Lamb, Chemical Technology; Richard L. Lines, Operations; and Jerry H. Goode, Chemical Technology.

30 YEARS

Ray Burns, Analytical Chemistry.

25 YEARS

Eugene Newman Jr., John E. Bigelow and Eugene J. Kelly.

20 YEARS

Ruby N. Thurmer, James R. Hendrix Jr., Clyde G. Westmoreland and Martha G. Stewart.

Y-12

30 YEARS

Lloyd Johnson, Fabrication; Zane L. Ardary, Development; and Peter B. Kohler, Sidney M. Verble and James L. Morgan Jr., Maintenance.

25 YEARS

Ernest B. Dyer, William F. LeComte, Roy M. Westcott, Lawrence D. Johns, Walter A. Eble, William A. Maddux, Beaman H. Fox and Dene C. Ferrell.

20 YEARS

Daniel R. Kessell, William Q. Adams, Palmer Pierson and Denver L. Teague.

Lindsey, though sightless, rejects seat on sidelines

Reggie Lindsey is blind. This factor alone might have caused a less-persevering man to sit complacently on the sidelines rather than "going on the offensive" and tackling life's obstacles and challenges. A "doer" even at an early age, Lindsey knew he wanted to accomplish something special in his life to help dispel the myth that blind people are helpless. His game plan has involved determination, faith in God and in himself, and the acquisition of a good education.

"One of the greatest feelings I had was graduating from college into a job — with several employment opportunities," said Lindsey, the first totally blind employee in the Nuclear Division. Since January he has worked in a data-base design and applications position in the Computer Sciences Division at ORNL. "One of my life's goals was centered on becoming well educated and getting a job, so this position is a dream come true for me," he said.

Compared life to winding road

He compared his life to a winding road — one in which he didn't miss any of the curves. At age five, he was thrown his first "curve" in a near-fatal accident when he lost his sight, was paralyzed on his right side and was told he would never walk again. But Lindsey went against the odds, proved the doctors wrong and started walking again two and one-half years later. This was just the beginning of a continuing success story that was to evolve over the next 19 years.

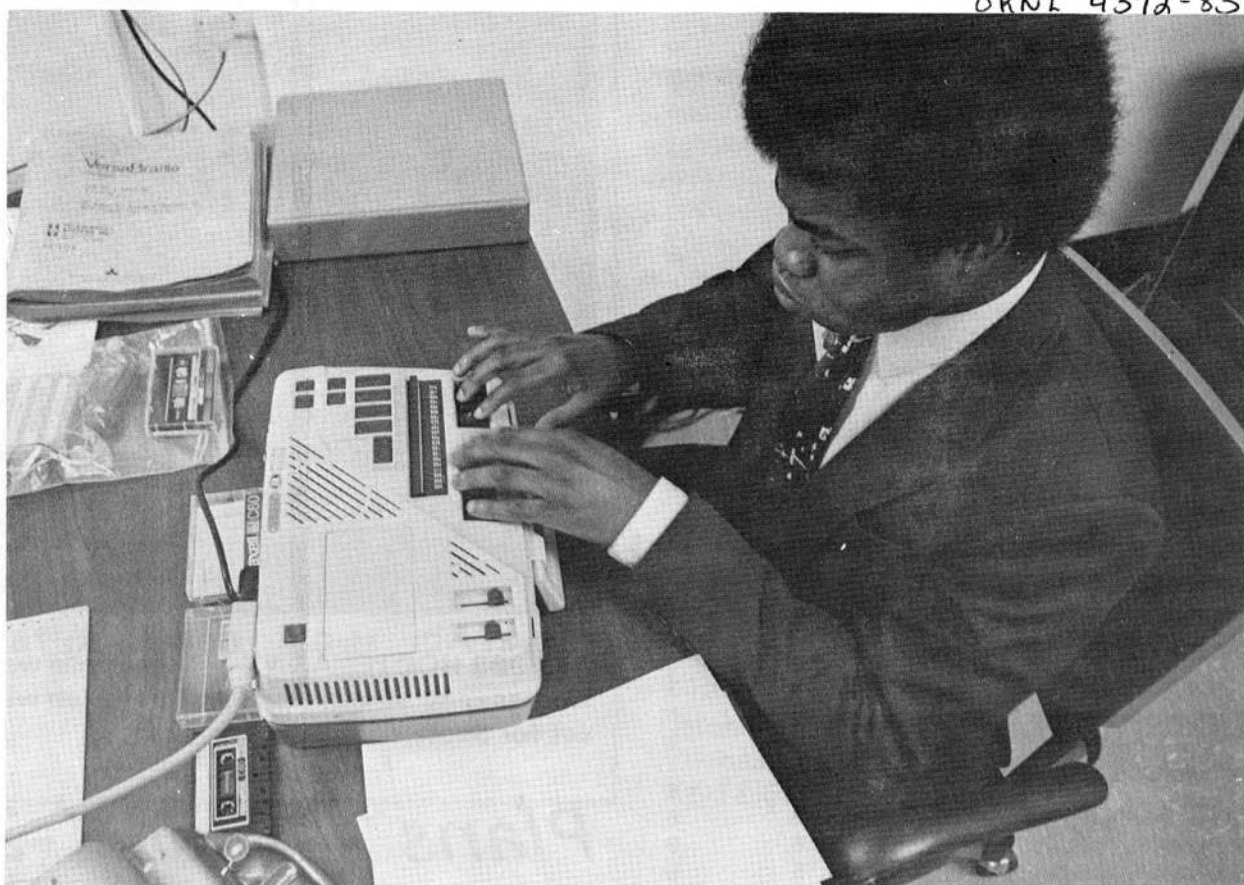
"I decided early in life that I wouldn't let blindness deter me, although there was discouragement along the way. I guess I needed to prove myself and break away from the image of being helpless," Lindsey recalled.

The fact that he survived the accident and regained the ability to walk again had special meaning for him. He felt it was a miracle — a sign from God that he was meant to accomplish something with his life and to help others along the way whenever he could. Armed with this faith and conviction, he set a course which would reinforce one of his firm beliefs: Education is one of the keys to success.

A native of Little Rock, Ark., Lindsey attended the Arkansas School for the Blind, where a career-orientation class clearly identified his aptitude for computer work. After a high-school career that included wrestling, running track and being recognized as an outstanding student by Southwestern Bell Telephone Company (for which he received a college scholarship), he graduated as valedictorian of his class.

In December 1982, Lindsey became the first blind person to graduate from the University of Missouri at Rolla. Equipped with a computer sciences degree and a minor in engineering management, he was offered a job by the Nuclear Division, and he accepted.

"The only Oak Ridge I had heard of was from listening to the Oak Ridge Boys," he laughed. "I really had no fear when I thought of a new place and the challenges of this job. I have always been very independent, and I enjoy meeting new people," Lindsey said.



PROCESSING DATA ON VERSABRAILLE — Reggie Lindsey processes data on a specially designed terminal for the blind known as VersaBraille. When a video terminal is connected to the machine, information can be revealed both on the braille panel and the usual screen.

A few of the "new people" he met at ORNL who helped him make the transition were Dan Tuxbury, Employee Relations Division, who located his apartment at Tara Hills in Oak Ridge and helped choose the furniture for it; Cindy Woodard, Plant and Equipment Division, who is his car pool driver, mail reader, check writer and grocery shopper; Gerri Winn, Finance and Materials Division, who often assists him in the same way; and Woody Gove, Computer Sciences Division, who is his office mate and reader of computer printouts.

Training sessions held

Catherine Reynolds, a counselor for the State of Tennessee Rehabilitation Services, held training sessions in February for employees who would be working with Lindsey. To improve the working relationship between the blind employee and his sighted coworkers, various sighted-guide techniques useful in assisting a blind person were discussed and practiced by the participants.

Lindsey's office is located in 4500 North, where he works on a specially designed terminal for the blind known as VersaBraille. "I felt really good about the Computer Sciences Division letting me choose which terminal to use. For me, this is the most efficient one," he remarked.

Getting to his office through the maze of corridors has not been a problem. "I like to go to a place once or twice with someone else, but then it's always best to try it on my own," he noted. "I don't count steps but use a cane to feel the way. That way the cane gets beaten up and not me," he laughed. He also depends on a good memory and can feel the presence of people and objects.

(Please turn to page 8.)



PRACTICING SIGHTED-GUIDE TECHNIQUES — Dick McCulloch and Donna Feezel of the Computer Sciences Division at ORNL practice sighted-guide techniques learned in a training session for Lindsey's coworkers.

Softball teams claim league championships

Nuclear Division softball action has come to a close, with B. K. Buzzards, Waggin' Tongue, the Stokers and Orange Crush claiming league championships.

Both the Atomic League and Carbon League East ended the regular season with coleaders, so the league championships had to be determined by playoffs. In the Atomic League, B. K. Buzzards defeated B. T. Express, while Waggin' Tongue was victorious over the Fes-Kids in the Carbon League East.

Final division standings are as follows:

Atomic League

Team	Won	Lost
B. K. Buzzards*	12	3
B. T. Express	12	3
High Energy	12	3
Ole Ruff & Ready	9	5
The Jugheads	9	5
Bruins	8	7
Bingles	6	8
Magnum Force '83	6	8
C. I. A.	6	9
Bandits	5	9
Warriors	5	10

*Won title in playoff.

Carbon League - East Division

Team	Won	Lost
Waggin' Tongue*	14	1
Fes-Kids	14	1
Pirates	11	4
Red Eye Gravy	10	5
Ringers	9	5
Beer Hunters	9	6
Sonny's Bandits	9	6
Outlaws	9	6
Mug Huggers	8	6
Fup Ducks	7	8
Sweat Sox	4	10
Swingers	4	11
Killer Bees	3	10
Mean Squares	3	11
Mert Dirt	2	12
Short Circuits	0	14

*Won title in playoff.

Carbon League - Central Division

Team	Won	Lost
Stokers	13	2
Foul Play	12	3
3 - D's	12	3
Streakers	11	4
Catch One	9	6
Loose Balls	9	6
Pits	9	6
Ridge Runners	7	8
Knockers	6	8
Flukes	5	9
Tappers	5	10
'Tail Gators'	5	10
The Straps	5	10
Tom's Turkeys	5	10
Whirlybirds	3	12
Stray Cats	3	12

Carbon League - West Division

Team	Won	Lost
Orange Crush	11	1
Dazed & Confused	10	3
Super Subs	9	3
Odds & Ends	9	4
Stonefingers	8	4
Surprise - Surprise	7	5
T-Lab Tankers	6	6
The Zombies	6	7
Balrogs	5	7
Odd Bods	4	9
Absolute Zeros	3	8
Y-12 Co-ops	3	9
P.O.I.	3	10
Fed I	2	10

K/PH 82-3366



AT 1982 HOOTENANNY — These dolls were among the crafts displayed at last year's K-25 Hootenanny. Another arts and crafts fair will be included in the activities for the 1983 event, set for September 17.

Plans set for K-25 Hootenanny

The annual K-25 Hootenanny Picnic will be held Saturday, September 17, at Clark Center Recreation Park, beginning at 1 p.m.

A traditional barbecue meal will be served, and entertainment will include music by the Roane County Travelers; a herding demonstration by Bill Wyatt and his border collies; a frog race, three-legged race, face painting and other children's games; horseshoes, basketball-shooting and hole-in-one contests for

adults; and performances by the Clinch River and Hinds Creek Cloggers.

Other activities will include a mixed softball tournament (organized by Jim Gardner, 4-9163) and an arts and crafts fair featuring work by ORGDP employees and other local artists. Persons interested in displaying their work may contact Cheryl Wham at 4-8592.

For those who want to get an early start on the weekend's activities, Bill Chambley and Gary Hatmaker will cook and serve spareribs on Friday night. For reservations, call Ann Crowe (4-8945) by September 14.

Hootenanny tickets are available from ORGDP division representatives. Call Ann Crowe or Dave Foster (4-8270) for more information.

Y-12 'C' League seeking additional teams, bowlers

New teams and individual bowlers are needed for the Y-12 "C" Bowling League. The league is the only one that will accommodate shift bowlers from any of the Oak Ridge plants. For more information about league play, which begins in September, call Dick Huber (4-3652) or the Recreation Department (4-1597).

Lucky Strikes still lead in Monday Mixed League

The Lucky Strikes held on to the lead in the Union Carbide Monday Mixed Bowling League, ahead of the BC's, Potent Force, Controllers and JW's.

High scorers included Bill Muenzer (593) and Sandy Travis (536), high scratch series; Nora Ward (675) and Gail Peek (609), high handicap series; Nora Ward (246) and Ruth Hardin (212), high scratch game; and Scott Krebs (257) and Cindy Cavender (243), high handicap game.

New teams, bowlers needed for Lenoir City league

New teams and bowlers are needed for the Carbide Mixed League in Lenoir City, which will meet each Thursday at 8:30 p.m., beginning September 8.

For more information, call Ruth Curtis at 4-4076 or 986-8650.

Metal Preparation sets September picnic date

The Y-12 Metal Preparation Division will hold a picnic Saturday, September 3, at Cove Lake State Park, Shelter No. 6, beginning at 4 p.m.

All employees and retirees are invited to bring their families and a picnic dinner.

Savings Plan-Personal Investment Account

	Fixed Income Fund	UCC Stock	Equity Investment Fund
December 76	13.0553	59.2723	8.8166
December 77	14.2017	40.9096	8.0427
February 83	22.9450	57.9887	15.8147
April 83	23.3156	60.3910	17.1853
May 83	23.5047	66.4750	17.0919
June 83	23.7030	69.6135	17.6662
July 83	23.9054	67.1967	17.2687

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 10% for 1983. Union Carbide stock values are the average cost of stock purchased during the month. Equity Investment Fund unit values represent the month-end market value of securities held by the Fund. The price of each unit is determined by dividing the total value of the securities by the number of units in the Fund.

Y-12 Silver Dollar City Day Saturday, September 17

\$7.95 admission price (\$16.50 value)

- Complimentary meal of barbecue ribs
- 30-percent discount at craft shops
- Door prizes
- Children under 4 admitted free
- Grand finale with town meeting for Y-12ers after park closes at 6 p.m.

For tickets and information, see your division coordinator.



PLANNING FOR "Y-12 SILVER DOLLAR CITY DAY" — Organizers of the event take a break from a recent meeting to pose in 1890's costumes at the park. Seated are J. M. (Jiggs) Seivers Jr., Y-12 Employee Relations; and David Eaker, Y-12 Finance, Materials and Services. Standing, from left, are Mike Cuddy, Y-12 Employee Relations; Ann Ward, Nuclear Division Purchasing; Stewart Henslee, Silver Dollar City; and Bill Hicks, Y-12 Employee Relations.



CONFERENCE SPEAKERS — Barbara Ashdown (left), ORNL Affirmative Action coordinator, and Nancy Markham, a deaf employee in ORNL's Engineering Technology Division, recently spoke at a conference "Managing the Job Placement Process," held in Atlanta. Their talks described specific activities used by the Nuclear Division in facilitating employment and accommodation of handicapped people. The conference was sponsored jointly by Georgia State University and the University of Tennessee as part of the Job Placement Consortium Region IV, a group of southeastern regional vocational rehabilitation administrators.

Carbide, KemaNobel to sell Swedish unit

Union Carbide Corporation and KemaNobel AB of Sweden have announced the signing of a letter of intent to negotiate the sale of all of their shares in Unifos Kemi AB to Neste Oy, a Finnish oil and chemicals producer.

Unifos Kemi, which is owned 50 percent by Union Carbide and 50 percent by KemaNobel, produces low-density and high-density polyethylene in Stenungsund, Sweden, and is a licensee of Union Carbide's Unipol low-pressure polyethylene technology.

Crime and prevention

Types of home-detection systems

by Larry R. Moore, Y-12 Safety Department

Numerous types of detection systems are available to the homeowner at varying costs. In this article we will identify the types of systems, their advantages and disadvantages.

Motion-detection systems

These systems consist of ultrasonic or microwave motion sensors that are effective for the protection of interior areas. The systems flood the area being protected with acoustic and microwave energy.

Advantages of ultrasonic systems include:

- A high salvage value in case a future update of the system is desired;
- An invisible protective field that is difficult to detect; and
- Effective protection against any intruders concealed inside the home.

Disadvantages are:

- Reduced sensitivity to avoid activation by telephones, chimes, etc.; and
- Possible activation by extremely loud external sounds, such as heavy thunder, jet aircraft, etc.

Advantages of miniature microwave systems are:

- Good coverage with properly placed antennas; and
- No activation from air currents, noise or sounds.

Disadvantages are:

- Coverage that penetrates beyond walls and windows, allowing persons or vehicles outside the home to activate the system; and
- Possible activation by fluorescent lights.

Sound-detection systems

Sound-detection systems can be used to protect the home with supersensitive microphone speaker sensors installed on the walls,

ceilings and floors. Any sound caused by forced entry will activate the alarm sensors.

Advantages of the sound-detection system are:

- Low cost and easy installation; and
- Use of speakers with other systems to monitor household areas.

Disadvantages are:

- Limited use only in enclosed areas of the home where there are few extraneous sounds; and
- An unsatisfactory detector in areas with aircraft or railroad traffic.

A future article will discuss the advantages and disadvantages of home-protection systems involving electrical-circuit breakers, vibration detectors, photoelectric beams and capacitance changes in electrostatic fields.

Free outdoor concert set at O.R. Arts Pavilion

The Country Drifters will perform Sunday, August 28, at 7:30 p.m. at the Oak Ridge Performing Arts Pavilion. This program, the second in a series of three free outdoor concerts, is co-sponsored by the Nuclear Division, the Arts Council of Oak Ridge and the City Recreation Department. These summer concerts are presented by the Oak Ridge Contemporary Entertainment Series.

The seven-member group features a variety of country music styles. Performers include Don Redmon, Allen Coffey, Charles Human, Bill Brady, Joyce Potter, Sam Woodfin (a chemist in the Process Support Division at ORGDP) and Betty Melhorn.

Persons attending the concert should bring their own lawn chairs or blankets. For more information, call K. A. Williams, 574-8156.

Lindsey, though sightless, rejects seat on sidelines

(Continued from page 5)

Off the job, Lindsey serves as president of the National Federation of the Blind of Oak Ridge (NFB), a 43-year-old organization for improving communication between the blind and sighted public. He primarily is responsible for publicity to the media. He was a guest speaker at a recent NFB conference attended by more than 2,000 blind or visually impaired persons which emphasized that technological improvements for the blind are increasing employment opportunities. Lindsey told of the barriers he had overcome to obtain employment and stressed a theme that has formed a definite pattern in his own life: Even though the blind are handicapped, they are not disabled — not helpless, just sightless.

The multitasking Lindsey is writing an autobiography, entitled *Highest Ground* (which he hopes to have made into a movie someday), and has been at work on a suspense novel. He also writes and tape-records his own ballads and has played the piano, French horn and clarinet.

An important goal for Lindsey is being able to relate to and communicate with all types of people. This has been difficult for him to accomplish at times, because the sighted often are apprehensive about approaching him. "They are so afraid they will say or do something to offend you, but to ignore you is the worst treatment of all. It is very annoying to have someone talk around you rather than to you," he said. He hopes to help alleviate existing communication barriers between blind and sighted persons.

With a positive outlook that is indicative of his whole approach to life, Lindsey remarked, "Anything is possible, especially with this ever-changing world of new technology."

Although his "winding road" may not have been the easiest travel route, it does appear to be taking him to a bright future — one full of visions.

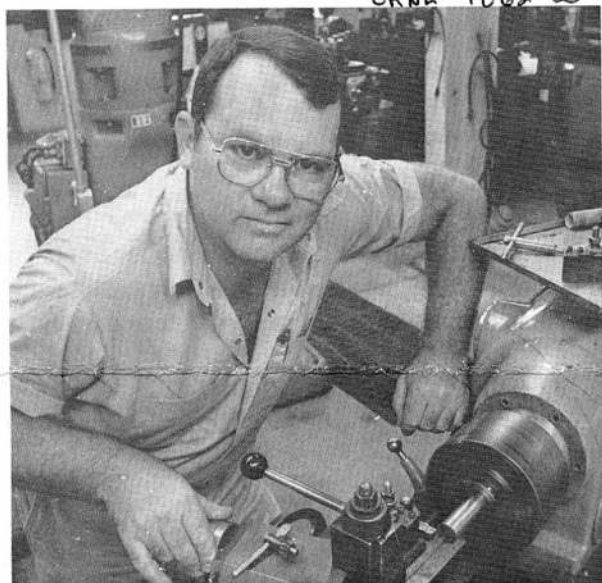
— M.Z.M.

ORNL 4374-83



Reggie Lindsey

ORNL 4062-83



WISE OWL CLUB MEMBERSHIP — Dennis Leamon, a machinist in ORNL's Plant and Equipment Division, recently became a member of the Wise Owl Club. Safety glasses saved his eyes from serious injury when some graphite material flew out of a lathe chuck and struck his glasses, knocking out one of the lenses. Leamon is the 39th employee in his division and eighth of his craft to become a member of the club.

Deer-vehicle collisions increase

Collisions between Oak Ridge Reservation deer and vehicles have increased so drastically that this could be a record year for deer fatalities and vehicle property damage.

"If current trends continue, there could be more than 200 deer kills in 1983, and that translates into more than 200 vehicles damaged," said Jay Story, research associate in the ORNL Environmental Sciences Division. Story conducts wildlife research on the reservation.

Historically, deer-vehicle collisions have increased in the fall and early winter — the mating season. However, 81 collisions have occurred between January and July this year, compared to 49 in 1982. Last year, there were 109 recorded collisions with two serious accidents in which the vehicles were "totaled," according to Story.

"The increase can be attributed primarily to increased numbers of deer," Story said. "Tennessee Department of Transportation records show no appreciable increase in traffic on the reservation."

"It is obvious from the increasing number of collisions that deer activity on the roadways is

increasing, and that means drivers are going to have to be especially alert all year instead of just the fall and early winter."

Story advises motorists to watch the road-sides while driving through the reservation and observe a safe stopping distance between vehicles.

The estimated 3,000 deer on the reservation are "extremely unpredictable," Story said. "A deer can be grazing peacefully on the roadside and suddenly bound across the highway — it just pays to be careful."

While deer activity increases in the early morning and late evening hours, deer-vehicle collisions have been recorded at all hours.

An employee who hits a deer or sees one hit should report the incident to his or her plant shift superintendent.

Next issue . . .

Because of the Labor Day holiday, the deadline for the next issue of *Nuclear Division News* will be Tuesday, August 30. The issue will be dated September 8.

Safety Scoreboard

SAFETY TIP: A multipurpose, dry-chemical Class ABC fire extinguisher is the best choice for general home use, because it is suitable for putting out fires caused by ordinary combustibles, flammable liquids and live electrical equipment.

Time worked without a lost-time accident through August 18:

Y-12 Plant	128 Days	4,747,000 Employee-Hours
ORGDP	94 Days	1,959,400 Employee-Hours
ORNL	22 Days	485,856 Employee-Hours
Paducah	1,115 Days	8,817,551 Employee-Hours

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